

Partial translation of JP-A-2000-10949

[0033]

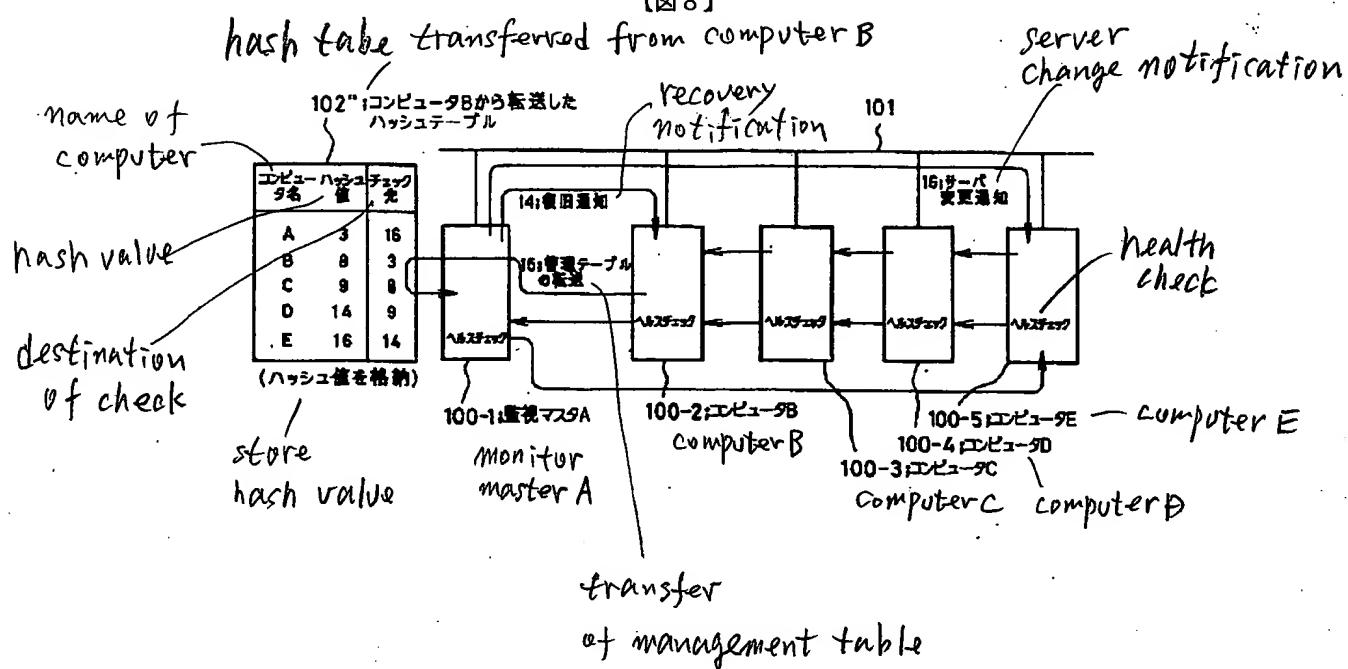
Next, when monitor master A has recovered, as shown in Fig.8, at first, recovery notification 14 of the monitor master is notified to a computer B which took over a management table before failure.

[0034]

From the computer B, a latest management hash table is received (15), change notification 16 of monitor master is notified. A changing instruction is issued to the monitor master B to let the monitor master B execute health check for the monitor master A. The monitor master A itself starts health check for a computer which corresponds to a destination of health check executed by the computer B.

Fig. 8

[图 8]



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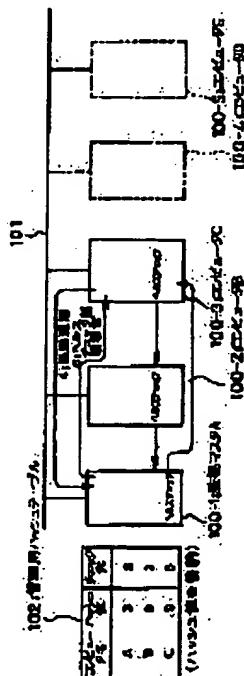
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## (54) RELAY TYPE DECENTRALIZED HEALTH CHECK CONTROL SYSTEM AND METHOD

### (57) Abstract:

PROBLEM TO BE SOLVED: To prevent the load on a monitor computer from increasing even when computers connected to a network increase in number by decentralizing a transmitting process for a health check control message to plural computers and using only one check machine, and sending only a notice message to a monitor master.

SOLUTION: The transmitting process for the health check control message is decentralized to plural computers connected to a network and only one check machine is defined; and only the notice message such as a fault notice is sent to the monitor master. For example, computers 100-1 to 100-5 are connected to the network 101 and the computer 100-1 is used as the monitor master A. To a computer having sent a notice of actuation, the instruction is made that a health check, on a computer having sent a notice of actuation right before it, is started. Then the monitor master A itself makes a health check on the computer having sent a notice of actuation most recently.



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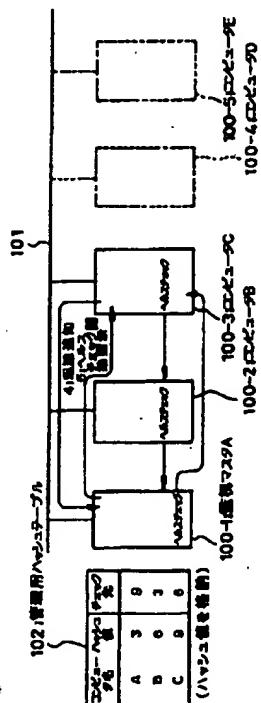
KC11 KC18 KC30 KC47

(54) 【発明の名称】 リレー型分散ヘルスチェック制御システム及び方法

(57) 【要約】

【課題】ネットワーク上に接続するコンピュータ数が増大しても監視コンピュータの負荷の増大を抑止しネットワーク性能の低下を回避するヘルスチェック制御システム及び方法の提供。

【解決手段】複数のコンピュータの一つを監視マスターとし、他のコンピュータは起動時に監視マスターに対して起動通知を行い、監視マスターは、起動通知を行った第一のコンピュータに対し監視マスターに向けたヘルスチェックの開始を指示し第一のコンピュータに向けてヘルスチェックを行い、監視マスターは次に起動通知を行った第二のコンピュータに対して第一のコンピュータに向けたヘルスチェックの開始を指示し第二のコンピュータに向けてヘルスチェックを行い、同様に起動通知を行った第nコンピュータに対して第n-1のコンピュータに向けてヘルスチェックの開始を指示し監視マスターは第nのコンピュータに向けてヘルスチェックを行う。



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